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PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Sokolov et al.

Attorney Docket No.: SUN1P834/P6238

Patent: 6,934,726 B2

Issued: August 23, 2005

Title: STORING AND RETRIEVING OF FIELD DESCRIPTORS IN JAVA COMPUTING ENVIRONMENTS

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on December 2, 2005 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: _____

Aurelia M. Sanchez

REQUEST FOR CERTIFICATE OF CORRECTION OF OFFICE MISTAKE (35 U.S.C. §254, 37 CFR §1.322)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Attn: Certificate of Correction

Certificate
DEC 07 2005
of Correction

Dear Sir:

Attached is Form PTO-1050 (Certificate of Correction) at least one copy of which is suitable for printing. The errors together with the exact page and line number where the errors are shown correctly in the application file are as follows:

CLAIMS:

1. In line 2 of claim 13 (column 7, line 4) change "end" to --and--. This appears correctly in Amendment B as filed on September 21, 2004, on page 4, paragraph 9, line 2, as claim 29.

2. In line 2 of claim 16 (column 8, line 2) change "end" to --and--. This appears correctly in Amendment B as filed on September 21, 2004 on page 5, paragraph 7, line 2, as claim 32.

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Patentee hereby requests expedited issuance of the Certificate of Correction because the error lies with the Office and because the error is clearly disclosed in the records of the Office. As required for expedited issuance, enclosed is documentation that unequivocally supports the patentee's assertion without needing reference to the patent file wrapper.

It is noted that the above-identified errors were printing errors that apparently occurred during the printing process. Accordingly, it is believed that no fees are due in connection with the filing of this Request for Certificate of Correction. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. SUN1P834).

Respectfully submitted,
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computer code for initializing said reference identifier to indicate which fields of said Java™ object are references;

computer code for identifying an internal class representation for a Java™ object;

computer code for identifying a reference identifier in said internal class representation;

computer code for reading a portion of said reference identifier that represents said field of said Java™ object; and

computer code for determining whether the value stored in said portion of said reference identifier is equal to a predetermined value.

25. (New) A computer readable medium as recited in claim 24, wherein said method is performed by a Java™ virtual machine at runtime.

26. (New) A computer readable medium as recited in claim 24,

wherein said reference identifier is an array of bytes; and

wherein the size of said reference identifier is the same as the number of fields of said Java™ object.

27. (New) A computer readable medium as recited in claim 24, wherein said predetermined value can be 1 or zero.

28. (New) A computer readable medium as recited in claim 27, wherein said predetermined value can be 1 or zero.

29. (New) A computer readable medium as recited in claim 24, wherein said array of bytes is allocated and initialized during load time.

30. (New) A computer readable medium as recited in claim 24, wherein said identifying of said internal class representation is performed at runtime.

31. (New) A virtual machine for determining whether a field of a Java™ object is a reference to another Java™ object, wherein said virtual machine is capable of:

reading a class file associated with a Java™ object;

identifying fields of said Java™ object that are references;

allocating a reference identifier for said Java™ object; wherein said reference identifier has one or more entries and each of said one or more entries correspond to a field of a Java™ object, and wherein each of said one or more entries can be used to indicate whether a corresponding field of said Java™ object is a reference to another Java™ object;

initializing said reference identifier to indicate which fields of said Java™ object are references;

identifying an internal class representation for a Java™ object;

identifying a reference identifier in said internal class representation;

reading a portion of said reference identifier that represents said field of said Java™ object; and

determining whether the value stored in said portion of said reference identifier is equal to a predetermined value.

32. (New) A virtual machine as recited in claim 31,

wherein said reference identifier is an array of bytes; and

wherein the size of said reference identifier is the same as the number of fields of said Java™ object.

33. (New) A virtual machine as recited in claim 31, wherein said predetermined value can be 1 or zero.

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(Also Form PT-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,934,726 B2

DATED : August 23, 2005

INVENTOR(S) : Sokolov et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In the Claims:

In line 2 of claim 13 (column 7, line 4) change "end" to --and--.

In line 2 of claim 16 (column 8, line 2) change "end" to --and--.

MAILING ADDRESS OF SENDER:

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PATENT NO. 6,934,726 B2

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